MISC. FACTORS

- ☐ Public ownership
- ☐ Wildlife Management Area
- ☐ Fisheries Management Area
- ☐ Historic/archaeologic area
- ☐ Designated State or Federal Protected Wetland
- ☐ Documented habitat for listed species
- ☐ Regionally scarce wetland category (less than 5% NWI)
- ☐ Recreational Use Area
- ☐ Subsistence Use Area

LANDSCAPE VARIABLES

Size: ~ _____ (acres)

- ☐ Small (<10 acres)
- ☐ Medium (10-100 acres)
- ☐ Large (>100 acres)

Ratio of Wetland Area to Watershed Area

☐ High (>10%) ☐ Low (<10%)

Wetland Juxtaposition:

- ☐ Connected up & downstream
- ☐ Only connected above
- ☐ Only connected below
- ☐ Other wetlands nearby, but not Connected.
- ☐ Wetland isolated.

Watershed Land Use:

☐ >50% Urbanized ☐ 25-50%
☐ 0-25% Urbanized

Wetland Land Use

- ☐ High Intensity (agriculture)
- ☐ Moderate Intensity (forestry)
- ☐ Low Intensity (open space)

SOIL VARIABLES

☐ Soil Lacking ☐ Histosol: Fibric
☐ Histosol: Hemic ☐ Histosol: Sapric
☐ Mineral Gravelly ☐ Mineral: Sandy
☐ Mineral: Silty ☐ Mineral: Clayey

Geology:

Surficial: _____
Bedrock: _____

HYDROLOGIC VARIABLES

Surficial Deposit Under Wetland

- ☐ Low Permeability Stratified
- ☐ High Permeability Stratified
- ☐ Glacial Till

Microrelief of Wetland Surface

- ☐ Pronounced >45 cm
- ☐ Well Developed 15-45 cm
- ☐ Poorly Developed <15cm
- ☐ Absent

Wetland Water Regime

☐ Wet: Perm flooded, Intermittently Exposed, Semiperm Flooded
☐ Drier: Seasonally Flooded, Temporarily Flooded, Saturated

Surface Water Level Fluctuation

☐ High Fluctuation ☐ Low
☐ Never Inundated

Frequency Overbank Flooding

☐ > 5 Return Interval ☐ 2-5 yrs.
☐ 1-2 yrs.
☐ No Overbank Flooding

Evidence of Sedimentation

- ☐ No Evidence
- ☐ Fluvaquent Soils
- ☐ Sediment Observed on Substrate

Basin Topographic Gradient

☐ High gradient (>2%)
☐ Low gradient (<2%)

Degree of Outlet Restriction

- ☐ Restricted outflow
- ☐ Unrestricted outflow
- ☐ No outflow

Inlet/Outlet Class:

- ☐ No Inlet/No Outlet
- ☐ No Inlet/Intermittent Outlet
- ☐ No Inlet/Perennial Outlet
- ☐ Intermittent Inlet/No Outlet
- ☐ Intermittent Inlet & Outlet
- ☐ Intermittent Outlet/Perennial Outlet
- ☐ Perennial Inlet/No Outlet
- ☐ Perennial Inlet/Intermittent Outlet
- ☐ Perennial Inlet/Perennial Outlet

Water pH: ☐ No Water

- ☐ Acid <5.5
- ☐ Circumneutral 5.5-7.4
- ☐ Alkaline >7.4

Nested Piezometer Data

☐ Recharge ☐ Discharge
☐ Horizontal Flow ☐ Not Available

Relationship of Wetland's Substrate Elev. to Regional Piezometric Surface

- ☐ Piez. surface above or at substrate elev.
- ☐ Piez. Surface below substrate elevation.
- ☐ Not Available

Evidence of Seeps & Springs

- ☐ No Seeps or Springs
- ☐ Seeps
- ☐ Perennial Spring
- ☐ Intermit spring

GIS-DIGITAL MAP-DATABASE

VEGETATION VARIABLES

- ☐ Vegetation Lacking
- ☐ Forested-evergreen-needle leaved
- ☐ Forested-deciduous-broad leaved
- ☐ Forested-deciduous-needle leaved
- ☐ Scrub shrub-evergreen-broadleaved
- ☐ Scrub shrub-evergreen-needleleaved
- ☐ Scrub shrub-deciduous-broadleaved
- ☐ Scrub shrub-deciduous-needleleaved
- ☐ Emergent – persistent ☐ Non-Per
- ☐ Aquatic bed

Number of Types: ____

- ☐ Even distribution
- ☐ Moderately even distribution
- ☐ Highly uneven distribution

Vegetation Density/Dominance

- ☐ Sparse (0-20%)
- ☐ Low density (20-40%)
- ☐ Medium density (40-60%)
- ☐ High density (60-80%)
- ☐ Very high density (80-100%)

Vegetative Interspersion

- ☐ High (small groupings, diverse and interspersed)
- ☐ Moderate (broken irregular rings)
- ☐ Low (large patches, concentric rings)

Plant Species Diversity

- ☐ Low (1-2 plots sampled)
- ☐ Medium (3-4 plots sampled)
- ☐ High (5 or more plots sampled)

Proportion of Animal Food Plants

- ☐ Low (5-25% Cover)
- ☐ Medium (25-50% Cover)
- ☐ High (>50% Cover)

Cover Distribution

- ☐ Continuous cover
- ☐ Small scattered patches
- ☐ 1 or more large patches, part open
- ☐ Solitary scattered stems

Interspersion of Cover & Open Water

- ☐ 25-75% scattered or peripheral
- ☐ >75% scattered or peripheral
- ☐ <25% scattered or peripheral
- ☐ 100% cover or open water

Presence of Islands

☐ Several to Many
☐ One or Few ☐ Absent

Dead Woody Material

- ☐ Abundant (>50 % wetland surface)
- ☐ Moderately abundance (25-50% of surface)
- ☐ Low abundance (0-25% of surface)

Yellow = fields that will be populated by others

Steve Reidsma presentation - 5/19

3PP JD Plots as of March 2005

Upland Vegetation Types						
Vegetation Types	**BBMP code**	**# plots**	**Yes**	**YT**	**No**	**NT**
Ericaceous Mat and Cushion Tundra	G1	107	0	1	95	11
Ericaceous Shrub Tundra	F1	94	2	3	76	13
Closed Alder Tall Shrub	D2	39	1	0	38	0
Bluejoint Tall Grass Herb	H2	26	0	3	14	9
Mesic Herb	M1	24	0	0	18	6
Dwarf Birch Eric sedge shrub tundra	F2	20	1	1	16	2
White Spruce Woodland	A4	15	0	0	14	1
Open White Spruce/Birch Forest	C5	13	0	0	13	0
Open Alder Tall Shrub	D5	12	2	0	9	1
Foliose and Fruiticose Lichen	P1	7	0	0	6	1
Open Balsam Poplar Forest	B4	4	0	0	4	0
Open White Spruce Forest	A2	2	0	0	2	0
Open White Spruce/Poplar Forest	C4	2	0	0	2	0
Dryas Lichen Mat and Cushion Tundra	G2	2	0	0	2	0
Open Alder Low shrub	E5	2	0	0	1	1
Closed White Spruce/Birch/Poplar Forest	C2	1	0	0	0	1
Closed White Spruce/Birch Forest	C3	1	0	0	1	0
Barren	N/A	1	0	0	0	1
		372	6	8	311	47

yellow = outliers

Wetland Vegetation Types						
Vegetation Types	**BBMP code**	**# plots**	**Yes**	**YT**	**No**	**NT**
Subarctic Lowland Sedge-moss bog meadow	L2	37	37	0	0	0
Sedge Tussock Mixed Shrub Sphagnum Bog	L3	30	30	0	0	0
Open Dwarf Birch Eric Shrub Sphag Bog	E9	28	26	2	0	0
Open Willow Low Shrub Sedge/grass fen	E4	16	15	1	0	0
Subarctic Lowland Sedge bog meadow	L1	11	11	0	0	0
Subarctic Lowland Sedge-Wet meadow	K1	10	7	3	0	0
Subarctic Lowland Herb Bog Meadow	N2	7	7	0	0	0
Wet Sedge Herb Meadow Tundra	I1	6	4	2	0	0
Fresh Herb Marsh	N1	4	4	0	0	0
Open Black Spruce Forest	A3	1	1	0	0	0
Fresh Sedge Marsh	J1	1	1	0	0	0
		151	143	8	0	0

Complex Vegetation Types						
Vegetation Types	**BBMP code**	**# plots**	**Yes**	**YT**	**No**	**NT**
Open Willow Low Shrub	E3	36	11	3	17	5
Open Willow Tall shrub	D4	34	9	6	16	3
Closed Willow Tall Shrub	D1	29	7	1	14	7
Bluejoint tall grass	H1	27	5	2	14	6
Open Dwarf Birch Low Shrub	E8	23	5	1	13	4
Closed Willow Low Shrub	E1	13	3	2	5	3
White Spruce /Birch Woodland	C6	9	1	0	6	2
Ericaceous Shrub Sphagnum Bog	E10	8	6	1	1	0
Open Alder Willow Tall shrub	D6	8	2	0	4	2
Closed Alder Willow Tall Shrub	D3	7	1	1	4	1
Black Spruce Woodland	A5	3	1	1	1	0
Open Birch Forest	B3	3	1	0	2	0
Open Alder Willow Low Shrub	2c2K	2	1	0	1	0
		202	53	18	98	33

No Samples in These Types						
Vegetation Types	**BBMP code**	**# plots**	**Yes**	**YT**	**No**	**NT**
Closed White Spruce Forest	A1	0	0	0	0	0
Closed Birch Forest	B1	0	0	0	0	0
Closed Birch/Poplar Forest	B2	0	0	0	0	0
Balsam Poplar Woodland	B5	0	0	0	0	0
Closed White Spruce/Poplar Forest	C1	0	0	0	0	0
Sweetgale Sphagnum	E11	0	0	0	0	0
Open Dwarf Birch Willow Low Shrub	E7	0	0	0	0	0
Coastal Beach Rye Tall Grass Herb	H3	0	0	0	0	0
Halophytic Sedge Wet Meadow	K2	0	0	0	0	0
Wet Moss	O1	0	0	0	0	0